



INVITATION TO TENDER NOTICE

Solicitation #: FP802-170196
Closing Date: Friday, September 29, 2017
Time for solicitation closure: 02:00 PM, Eastern Daylight Time (EDT)
Title: Equipment shelter replacement at Mount-Rigaud
Work site location: Rigaud, QC

THIS INVITATION TO TENDER PACKAGE INCLUDES THE FOLLOWING:

1. Invitation to Tender Notice
2. Construction Tender Form **(Mandatory - to be completed by Bidder)**
3. Specification (Description of the required work), including Plans, Drawings and Photos.

CLOSING LOCATION(S):

Location #1: For electronic submissions **ONLY**, please send all electronic proposals to:
Michel.R.Lariviere@dfo-mpo.gc.ca

Location #2: For printed submissions and Bid Bonds **ONLY** (via Canada Post or by Courier), please send to:

**Fisheries and Oceans Canada,
Attention: Michel Larivière
Procurement Hub – Ottawa Office,
Station 9W079, 9th Floor,
200 Kent Street,
Ottawa, Ontario K1A 0E6**

The onus is on the bidder to ensure that the bid is delivered on time to the location designated.

LATE TENDER:

Any tender received after the above noted time will be considered late and will be returned to the sender unopened. Tenders may be revised by email, provided the tender and revision(s) are both received prior to Tender Closing Time.



BID SECURITY:

For bids **greater than 100K**, the Bidder shall submit bid security with the tender in the form of a bid bond or a security deposit, with original signature(s). **Fax or photocopies are NOT acceptable.** The Bid Security shall be submitted in accordance with section G109 – Bid Security Requirements of DFO Instructions to Bidders ([DFO Instructions to Bidders](#))

Notes:

- (a) ***The Bid Security is to be submitted in hard copy with original signature(s) and by the bid closing date, time and mailing address as indicated above.***
- (b) ***The Bid Security will be returned except that of the successful Bidder, which will be retained until the successful Contractor has completed the said contract.***

SCOPE OF WORK / DELIVERABLES:

The work covered by this contract includes the replacement of an equipment shelter owned by the Canadian Coast Guard (CCG), the associated site layout, and all related work at the telecommunications site.

The shelter replacement work includes, but is not limited to, the following activities

1. Produce the shop drawings and data sheets of the elements to be supplied by the Contractor.
2. Locate the underground utilities (coaxial cables, grounding conductors, etc.).
3. Deforest, uproot, and clear the existing vegetation according to the Contract Drawings' specified zones and the specification's instructions (when applicable, refer to the site specific drawings).
4. Provide and install the new fence and its foundation. Install a double gate of 5m width for the vehicles and a 1/3-2/3 pedestrian door of 1.5m width. Perform the work in conformance with the Contract Drawings and this specification (when applicable, refer to the site specific drawings).
5. Repair the damaged fence's sections (when applicable).
6. Ground the fence sections (when applicable, refer to the site specific drawings).
7. Lock the double gate at the end of each day and at the work completion.
8. If the new shelter is located at the same location as the existing shelter:
 - 8.1 Plan and install temporary foundations for the relocation of the existing shelter. The Contractor is responsible for the foundation's stability.
 - 8.2 Relocate the existing shelter to its temporary location (refer to the site specific drawings). When applicable, unearth the existing coaxial cables and reroute towards the temporary location. Coordinate with the CCG for the cable's disconnection and reconnection. Reconnect the temporary shelter's electrical power supply in the same day as the relocation.
 - 8.3 Provide and install the temporary grounding system. Install a grounding conductor 2/0 between the equipment grounding bus bar under the feed-thru inside the shelter and the closest grounding loop (previous shelter location, tower,



or fence). Use a 2-hole lug to connect the conductor to the grounding bar and a compression lug to connect to the existing loop.

9. Excavate the soil and rock with appropriate equipment at the locations of the new foundations, waveguide bridge, grounding system, electrical utility pole, underground conduits, etc. Excavation slope must be safe and conform to the geotechnical report and/or CNESST recommendations.
10. Design, provide and install all necessary elements to stabilise and shore the existing structures (shelter, tower, guys, etc.). (When applicable).
11. Transport the excavated materials outside of the property, in an authorized site respecting all applicable regulations.
12. Subcontract a geotechnical laboratory to perform, without being limited to, the following activities: validation of the excavation's bottom prior to concrete placement, retrieve concrete samples for the tests required by this specification.
13. Build all new reinforced concrete foundations (equipment shelter, stairways, waveguide bridge, fence, etc.). Foundations shall be constructed and installed as shown on the contract drawings and per the recommendations of the geotechnical study report.
14. Provide and install the waveguide bridge and/or the underground cable tray for the coaxial cables.
15. Provide and install a new electrical utility pole, its concrete protection and the associated underground conduits (when applicable, refer to the site specific drawings).
16. Gather and transport the new equipment shelter, its accessories, and all elements provided by the CCG from Lauzon to the site. Protect the elements to avoid damages during transportation and at any other time.
17. Protect the access road and restore if required. If needed, add "MG-20" granular material to ensure the access road is rideable and exempt of cracks and ruts.
18. Install the new equipment shelter and its accessories on the new foundations and fix the stairways, the filling platform and the ice-shield.
19. Coordinate with the CCG and Hydro-Québec, provide all necessary elements and install the electric and telephonic connexions between the existing Hydro-Québec pole and the new CCG's equipment shelter (aerial or underground, refer to the site specific drawings). The Contractor must provide and install a temporary electrical aerial power supply for the old shelter during the equipment transfer via the new shelter. Coordinate all services cut with the CCG.
20. Install the new grounding system and connect the new installations to the existing grounding system in accordance with the Contract Drawings and the Electrical Code.
21. Install or fasten the transmission lines from the tower on the new waveguide bridge to the shelter feed-thru. Provide and install new cable trays if necessary (refer to the site specific drawings). Coordinate with the CCG the connexions to the equipment and all cable length modification or replacement.
22. Backfill the excavations following the stratigraphy shown on the Contract Drawings. Excavated material can be reused instead of granular material "CG-14" if permitted by the geotechnical report.
23. Fill the new diesel tank with « new » diesel.



24. Drain the existing diesel tank and purge the generator (oil and diesel) according to the applicable environmental standards to ensure a safe transportation of the equipment. Dispose of the fluids according to the applicable environmental standards.
25. Dismantle the existing (aerial or buried) electric power line between the Hydro-Québec existing utility post and the obsolete equipment shelter.
26. Dismantle the temporary aerial electric power line between the obsolete equipment shelter and the new shelter.
27. Following the equipment transfer from the obsolete shelter to the new one by the CCG, dismantle, remove and transport outside of the property the obsolete elements such as: the generator, diesel tank, ice-shield, foundations, waveguide bridge, grounding conductors, and the obsolete shelter. Also dispose of the elements inside of the obsolete shelter when requested by the CCG. Select the disposal site to respect all applicable standards and regulation.
28. Transport the demolition debris outside of the property, in an authorized site respecting all applicable standards and regulations.
29. Backfill the voids created by the debris removal following the stratigraphy shown on the Contract Drawings and these specifications.
30. Complete the surfacing of the compound area and access road. Remove the topsoil. Add a geomembrane and granular material conforming to these specifications on the entire area of the work zone, in the compound area and up to 1m all around the fence. The surfacing layer must be installed with a 2% slope for drainage, oriented from the tower to the exterior of the site. (Refer to the site specific drawings).
31. Establish a work method and sequence for the lifting and relocation of the shelters (relocation of existing shelter to its temporary location, the installation of the new shelter, or disposal of the obsolete shelter). The procedure must account for the site specific conditions and obstacles. Ensure no damages are done to the existing structures and installations during the relocations.
32. Restore the site to its initial state, including the damaged work zones and the access roads where necessary.
33. Request and obtain from the CCG a final acceptance for the work.
34. Annotate the Contract Drawings for the « as built ».

LOCATION OF WORK, WORK SITE AND DELIVERY POINT:

The location of the work site is at:

Mont-Rigaud, west of the island of Montreal. The site does not belong to the CCG. It is the property of the Quebec Shared Service Center (QSSC). The Canadian Coast Guard (CCG) is the sole owner of its equipment shelter.

- Latitude (NAD 83) : 45° 27' 00" N
- Longitude (NAD 83) : 74° 17' 47" W

Access to the site is by road.



SITE VISIT:

No site visit will be organized by the department.

Bidders that wish to visit the site must send an email to Michel.R.Lariviere@dfo-mpo.gc.ca with a cc to Lynda.Coulombe@dfo-mpo.gc.ca and provide the following information:

- a. Business name
- b. Business address
- c. Business phone number
- d. Bidder's representative name
- e. Bidder's representative email address

The time and date of the site visit will be sent to the bidder via email.

PUBLIC LIABILITY AND PROPERTY DAMAGE INSURANCE:

The minimum acceptable amount of Public Liability and Property Damage Insurance is **\$2,000,000.00** per occurrence. All tenders must be accompanied by confirmation from the tenderer's insurance company that the required insurance will be available upon contract award.

ENQUIRIES

DFO will accept Enquiries from Bidders until **2:00 PM Eastern Daylight Time (EDT) on Friday, September 22, 2017**. Bidders should note the following:

- a) **For Administrative Enquiries:**
Bidders can either phone the Contracting Authority, Michel Larivière, at 613-990-1404 or send their administrative enquiries by email to michel.r.lariviere@dfo-mpo.gc.ca.
- b) **For Technical Enquiries:**
Bidders **must send** their technical enquiries by **email only** to michel.r.lariviere@dfo-mpo.gc.ca,

EXPECTED START AND COMPLETION DATES:

Start Date: Friday, October 27, 2017
Completion Date: Friday, February 23, 2018

SECURITY REQUIREMENTS:

None.



ACCEPTANCE OF TENDERS:

Fisheries and Oceans Canada will not necessarily accept the lowest or any of the tenders received and reserves the right to reject any and all tenders received which shall be final and at the sole discretion of the Department.

Regards,

Michel Larivière

Procurement and Contracting Consultant

Procurement Hub, Materiel and Procurement Services, 9W079

Fisheries and Oceans Canada

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